

BRDTC114YKAQ

Rev.A Nov.-2024



DATA SHEET

SOT-23 NPN

Silicon NPN Digital transistor in a SOT-23 Plastic Package.

AEC-Q101

With built-in bias resistors, simplify circuit design, reduce a quantity of parts and manufacturing process, Qualified to EC-Q1001

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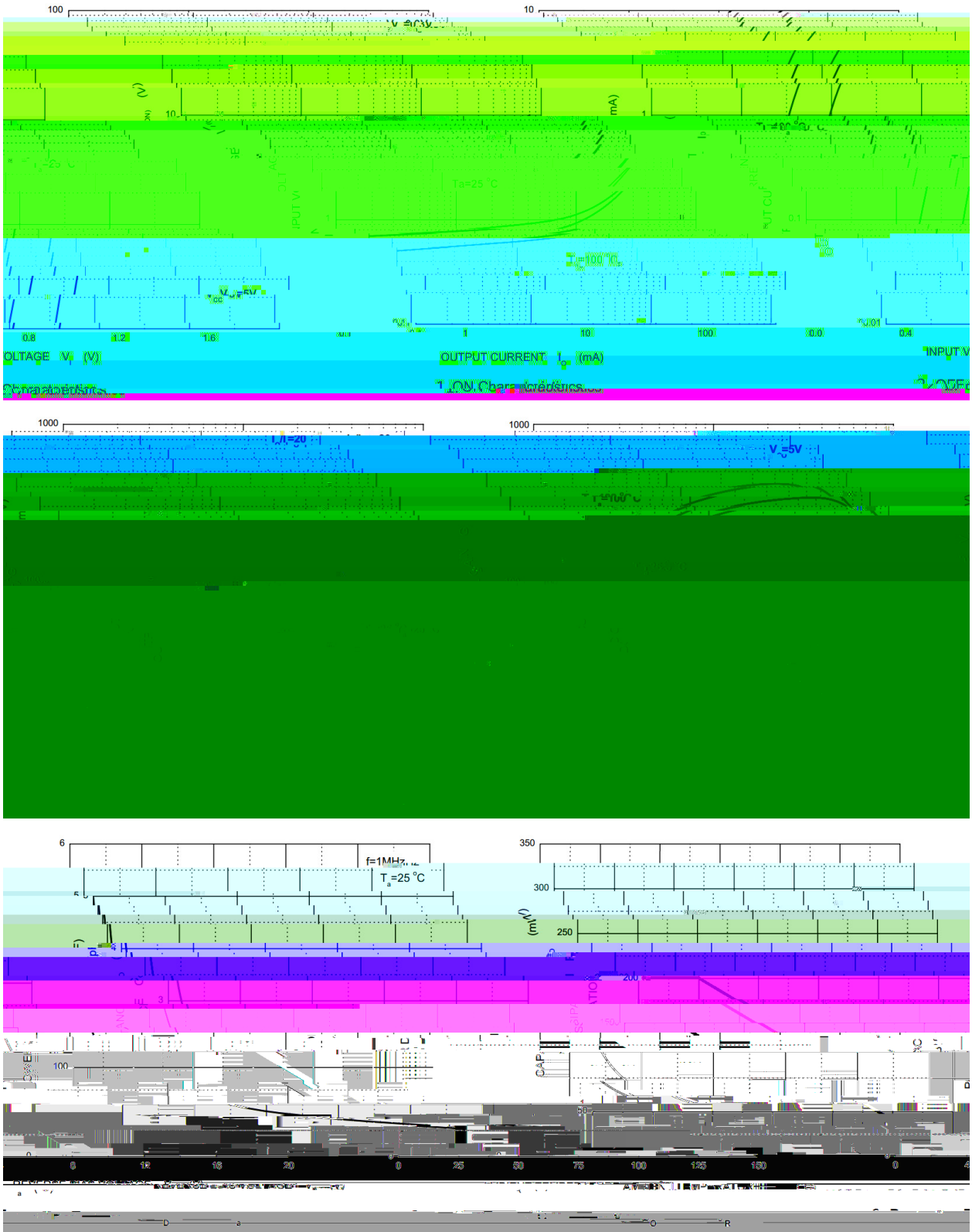
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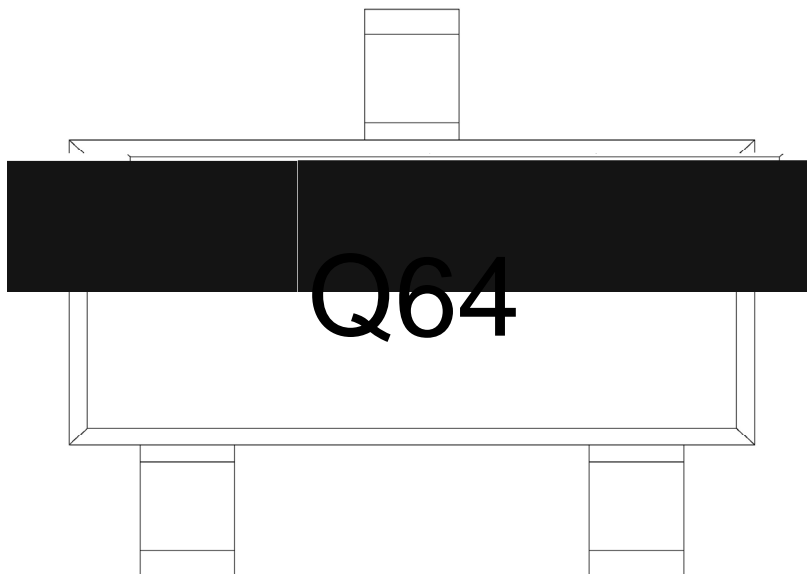
DATA SHEET

Parameter	Symbol	Rating	Unit
Supply Voltage	V_{CC}	50	V
Input Voltage	V_{IN}	-6~40	V
Output Current	I_o	70	mA
Peak Collector Current	I_{CM}	100	mA
Power Dissipation	P_D	200	mW

/ Electrical Characteristic Curve



/ Marking Instructions



Q

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Note:

Q: Automobile halogen-free product Code

64 Product Type Code

() / Temperature Profile for IR Reflow Soldering(Pb-Free)

Note:

- 1 150 200 60 120sec; 1.Preheating:150~200 , Time:60~120sec.
- 2 255±5 5±0.5sec; 2.Peak Temp.:255±5 , Duration:5±0.5sec.
- 3 2 10 /sec. 3.Cooling Speed: 2~10 /sec.

D&AW